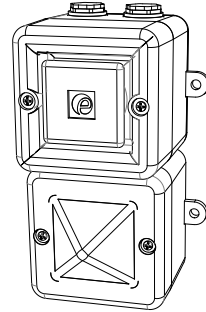




NOTICE D'INSTALLATION & D'UTILISATION

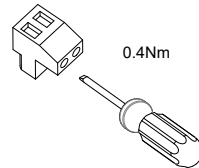
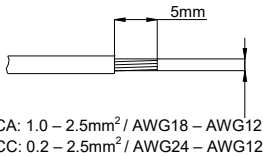
Combiné TONAFASH® Xénon TL100XV2

- -40°C à +66°C (-40°F à 151°F)
- Type 3R / 13 (IP66, Testé indépendamment selon EN60529:1991)
- 0.46Kg (1.01lb)
- CE, TL100XV2024 conforme CPR, Toutes les versions sont "UL Listed"



Référence	Tension Nominale	Tolérance (Tension)	Courant Nominale Sirène*	Courant Nominale Feu*	Pression sonore nominale	Pression sonore max.	Pression sonore moyenne
TL100XV2012	12 V cc	11.5-14V cc	17mA	500mA	101.6dB(A) Son No. 44 @ 1m	110dB(A) Son No. 4 @ 1m	102.3dB(A) Tous les sons @1m
TL100XV2024	24V cc	20-28V cc	33.5mA	250mA			
TL100XV2048	48V cc	42-54V cc	113mA	170mA			
TL100XV2024A	24V ca	24-28V ca 50/60Hz	42.5mA	300mA			
TL100XV2048A	48V ca	48V ca ± 10% 50/60Hz	42mA	250mA			
TL100XV2115	115V ca	115V ca ± 10% 50/60Hz	25mA	70mA			
TL100XV2230	230V ca	230V ca ± 10% 50/60Hz	17mA	35mA			

*Courant nominal à la tension nominale, Son no. 1 / Flash 1Hz



Attention: Installation must be carried out by an electrician in compliance with the latest codes and regulations.

Attention: L'installation doit être effectuée par un électricien conformément aux derniers codes et réglementations.

Achtung: Die Installation muss von einem Elektriker gemäß den neuesten Vorschriften und Bestimmungen durchgeführt werden.

Attenzione: L'installazione deve essere eseguita da un elettricista in conformità con i codici e le normative più recenti.

Atención: La instalación debe ser realizada por un electricista de acuerdo con los últimos códigos y regulaciones.

Atenção: A instalação deve ser realizada por um electricista de acordo com os códigos e regulamentos mais recentes.

ВНИМАНИЕ: установка должна выполняться электриком в соответствии с последними нормами и правилами.

Attention: Disconnect from power source before installation or service to prevent electric shock

Attention: Débranchez-le de la source d'alimentation avant l'installation ou l'entretien pour éviter tout choc électrique.

Achtung: Vor Installation oder Wartung von der Stromquelle trennen, um einen Stromschlag zu vermeiden.

Attenzione: scollegare dall'alimentazione prima dell'installazione o dell'assistenza per evitare scosse elettriche.

Atención: desconéctelo de la fuente de alimentación antes de la instalación o el servicio para evitar descargas eléctricas.

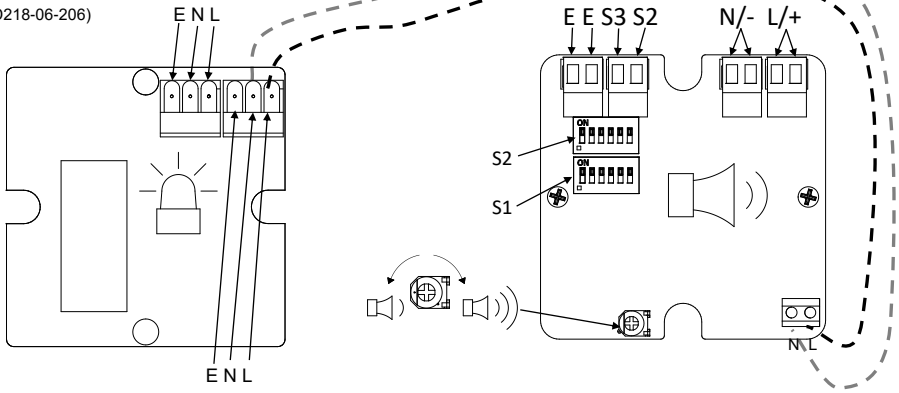
Atenção: Desconecte da fonte de alimentação antes da instalação ou serviço para evitar choque elétrico

ВНИМАНИЕ: отключите от источника питания перед установкой или обслуживанием, чтобы предотвратить поражение электрическим током.



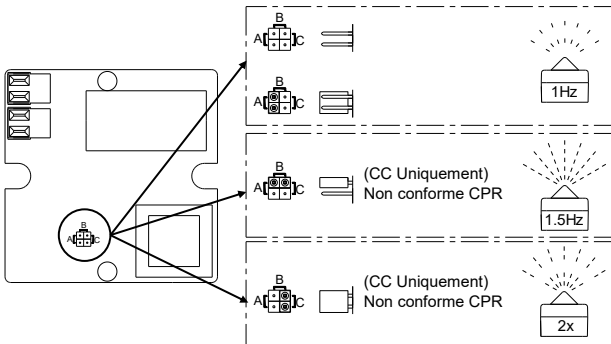
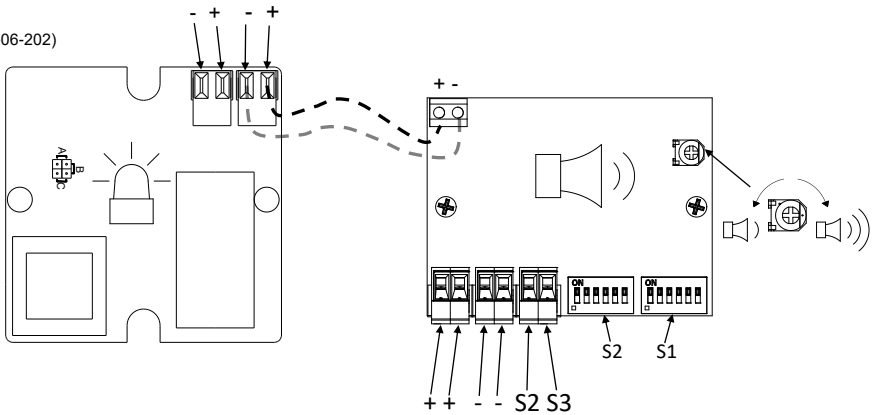
CA

(Voir D218-06-206)



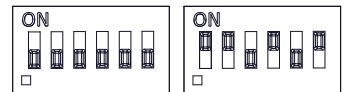
CC

(Voir D218-06-202)



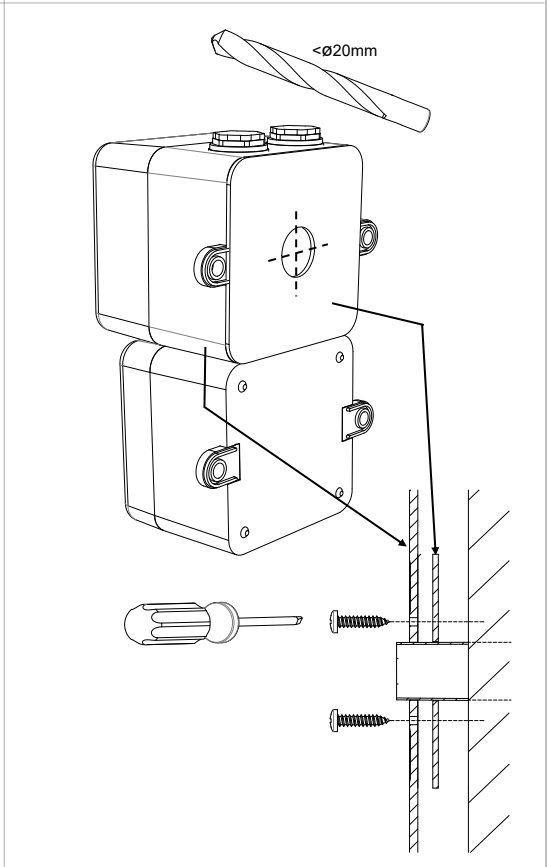
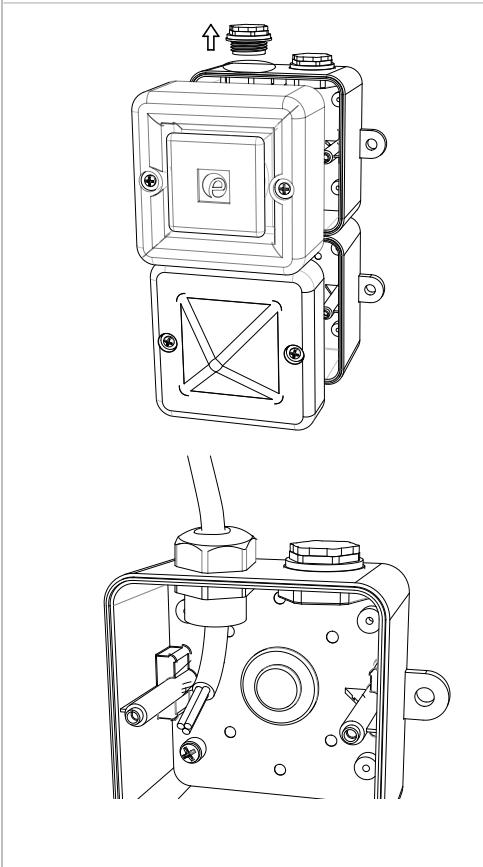
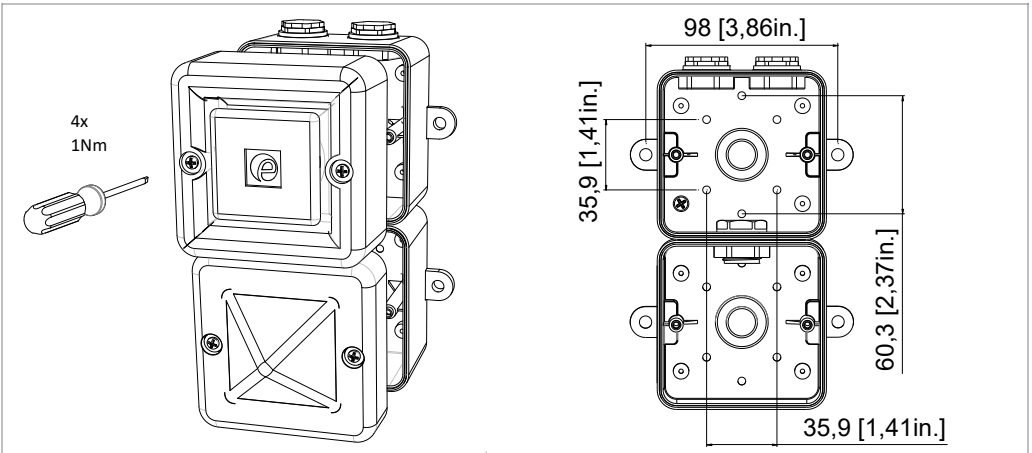
(CA & CC, Voir D221-95-001)

Par défaut = S2 - Son No. 1 Par défaut = S1 - Son No. 44



(ON = 1, OFF = 0)

NOTICE D'INSTALLATION & D'UTILISATION
 Combiné TONAFASH® Xénon TL100XV2



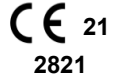
Construction Product Regulation

- AL100XDC024 & AL100XDC048 are compliant to EN54-3:2001+A1+A2 & EN54-23:2010
- VAD for use in fire detection and fire alarm systems installed in and around buildings
- Alarm devices – Sounder & Beacon
- Type 3R / 13, IP66, Independently tested to EN60529:1991, (IP33C Compliant to EN54-3)
- Type B Product, For Indoor & Outdoor use
- Observe Precautions for handling electrostatic devices
- -25°C to +55°C compliant to EN54-3 & EN54-23
- Cable Glands must be suitably sealed and meet minimum IP33 for EN54-3 applications
- Storage Temperature: -40°C to +70°C
- Maintenance – None
- Units can be mounted using the 2 of the 4-off ø6mm holes or through the back of the housing using the supplied gasket

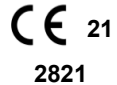
Approved Tones for EN54-3 Applications:

- (Alternating Tone) 800/1000Hz @ 2Hz Alternating Tone 44
- (Rising Tone) 500/1200Hz @ 0.26Hz (3.3s on, 0.5s off) Tone 8
- (Fainting Tone) 1200/500Hz @ 1Hz Tone 2
- (Continuous Tone) 800Hz Tone 21
- (Pulsed Tone) 660Hz (150mS on, 150mS off) Tone 31
- (Alternating Tone) 544Hz(100mS)/440Hz (400mS) Tone 5

Order Code: AL100XDC024
 Voltage Range: 20-28Vdc
 Nominal Voltage: 24Vdc
 Max Sounder Current: P1: 125mA @ 28Vdc
 Max Beacon Current: 271mA @ 20Vdc
 DP-2821-CPR-0109



Order Code: AL100XDC048
 Voltage Range: 42-52Vdc
 Nominal Voltage: 48Vdc
 Max Sounder Current: 125mA @ 52Vdc
 Max Beacon Current: 160mA @ 42Vdc
 DP-2821-CPR-0109



AL100XDC024 / AL100XDC048 @ 1m

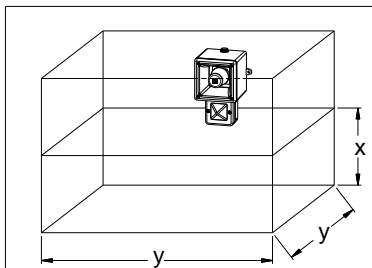
Angle	Horizontal Sound Output Max Voltage (60 Vdc) LAFmax,T dB(A)						Horizontal Sound Output Min Voltage (18 Vdc) LAFmax,T dB(A)					
	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5
15°	98	99.9	99	95.7	94.8	95.4	94.7	96.8	95.9	93	91.9	92.7
45°	97.8	100.1	99	97.6	94.7	96.6	95	97	96	94.8	92.1	94
75°	101.5	102.9	102.4	101.4	98.3	100.4	98.7	100.2	99.5	98.8	94.9	97.9
105°	101.4	102.8	102.5	101.4	98.1	100.4	98.6	100.2	99.5	98.8	94.9	97.9
135°	97.4	100	98.9	97.2	94.9	96.4	94.6	96.9	95.9	94.5	92.2	93.8
165°	97.5	99.6	98.9	95.8	94.7	95.4	94.3	96.4	95.8	93	91.8	92.8

Angle	Vertical Sound Output Max Voltage (60 Vdc) LAFmax,T dB(A)						Vertical Sound Output Min Voltage (18 Vdc) LAFmax,T dB(A)					
	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5
15°	96.3	99.8	99	95.5	94.1	95.3	93.1	96.7	96	92.8	91.2	92.6
45°	97.6	99.9	98.8	97.4	94.5	96.3	94.8	96.8	95.7	94.6	91.9	93.8
75°	101.3	103	102.5	101.4	98.1	100.5	98.5	100.1	99.5	98.7	95	97.8
105°	101.3	102.8	102.4	101.3	98.2	100.5	98.5	100.1	99.5	98.7	95	97.7
135°	97.4	99.9	98.8	97.6	94.5	96.3	94.6	96.8	95.8	94.8	91.9	93.7
165°	96.7	100	99	95.5	93.9	95.4	93.6	96.9	96	92.7	91.1	92.7

NOTICE D'INSTALLATION & D'UTILISATION

Combiné TONAFASH® Xénon TL100XV2

AL100XDC024 & AL100XDC48 LIGHT OUTPUT



Category W-x-y (Wall mounted):
Wall mounted, where x is the maximum mounting height from the floor and y is the maximum length of the sides of the square floor area covered by the VAD.

Note: CPR approved units must be positioned sounder on top, beacon below.

Coverage Area According to EN54-23
(Only units in the following table are VdS Approved)

Unit	Category W	Power
AL100XDC024	W-2.4-4.8 V=55.3m	11W
AL100XDC48	W-2.5-5 V=62.5m	14W

Approved Beacon for EN54-23 Applications:
Clear lenses are compliant with EN54-23

- All models are approved for use as Audible Signal and Visual Appliance for use as General Signaling: UL464A & CSA C22.2 No 205-17
- Type 4 / 4X / 3R / 13, IP66 independently tested to EN60529:1991
- 40°C to +66°C / -40°C to +151°F

General Signaling Canada:

AL100XDC: -40°C to +55°C / -40°F to +131°F

AL100XAC: -40°C to +40°C / -40°F to +104°F

- To maintain Ingress Protection, cable entries must be fitted with suitably rated cable glands or stopping plugs
- Mounting - Units can be mounted using 2 of the 4-off \varnothing 6mm holes in the mounting lugs or through the back of the housing using the supplied gasket.
- EOL Monitoring (DC Only): End of Line Devices may be fitted between the +ve & -ve terminals of the PCBA. Please ensure that the device legs meet the wire size range stated for the connection terminals and are fitted correctly in order to avoid a short. Refer to the compatible control panel specification for EOL device values and ratings





Model	Nominal Voltage	Voltage Range	Nominal Operating Current*		Max Operating RMS [‡]	
			Beacon	Sounder	Beacon	Sounder
AL100XDC012	12V dc	11.5-14Vdc	500mA	17mA	531mA	125mA
AL100XDC024	24V dc	20-28Vdc	250mA	33.5mA	271mA	
AL100XDC048	48V dc	42-54Vdc	170mA	113mA	170mA	
AL100XAC024	24V ac	24-28Vac 50/60Hz	300mA	42.5mA	426mA	42.5mA
AL100XAC048	48V ac	42-54Vac 50/60Hz	250mA	42mA	360mA	
AL100XAC115	115 Vac	103.5-126.5Vac 50/60Hz	70mA	25mA	101mA	
AL100XAC230	230 Vac	207-253Vac 50/60Hz	35mA	17mA	58mA	

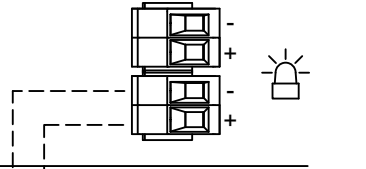
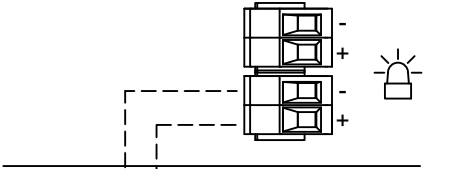
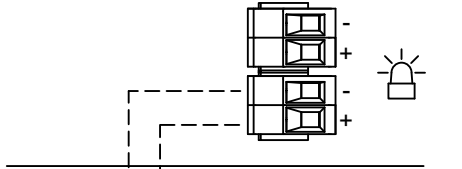
*Nominal Voltage, 1Hz Flash Pattern & Tone 12; ‡Worst-case input voltage and worst case flash pattern


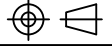


Attention: Installation must be carried out by an electrician in compliance with the National Electrical Code, NFPA 70 or CSA 22.1 Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, Section 32. / L'installation doit exclusivement être réalisée par du personnel qualifié, conformément au code national d'électricité américain, NFPA 70 ou CSA 22.1 Code canadien de l'électricité, première partie, norme de sécurité relative aux installations électriques, Section 32

1	2	3	4	5	6	7	8	9	10	
							ISSUE	MOD No.	REASON - INITIAL - DATE	
<p>— — CÂBLAGE ENTRE LE FEU & LA SIRÈNE FAIT EN USINE</p>							 <p>OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE : NON FOURNIE. VALEURS MINIMALES RECOMMANDÉES: 14V MAX = 120Ω MIN, 2W MIN OU 1KΩ MIN, 0,5W MIN 28V MAX = 470Ω MIN, 2W MIN OU 2,4KΩ MIN, 0,5W MIN</p>		<p>CONTACTS POUR LA SÉLECTION DES SONS NON INCLUS</p> 	
								<p>INTRODUCTION RSR - 25/06/2021</p>		

Activation simultanée de la sirène et du feu (par défaut)

Configuration pour 1 son		Config.: 1a	Configuration pour 2 sons		Config.: 1b	Configuration pour 3 et 4 sons		Config.: 1c
Surveillance de ligne			Alim- commune			Alim- commune		
Son 1 : alimenter Alim+ et Alim- (son1)			Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2			Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 Son 3 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S3 Son 4 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 et S3		
								
<p>Sirène suivante — +</p> <p>Alim+ — +</p> <p>Sirène suivante — -</p> <p>Alim- (son 1) — -</p>			<p>Sirène suivante — +</p> <p>Alim+ — +</p> <p>Sirène suivante — -</p> <p>Alim- (son 1) — -</p> <p>(Pilotage son 2) — ●</p> <p>S2</p>			<p>Sirène suivante — +</p> <p>Alim+ — +</p> <p>Sirène suivante — -</p> <p>Alim- (son 1) — -</p> <p>(Pilotage son 2) — ●</p> <p>(Pilotage son 3) — ●</p> <p>S2</p> <p>S3</p>		

G	DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS		DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)	<p>THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.</p> <p>EUROPEAN SAFETY SYSTEMS LTD. AS PER LATEST DATE OF ISSUE SHOWN ABOVE</p>	 <p>EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD LONDON W3 7QH WWW.E2S.COM</p>	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		 <p>A3</p>
	STANDARDS		CHECKED	DATE	MATERIAL				TITLE AL100X, AL105NX & DL105X DC COMBINED SOUNDER & XENON WIRING DIAGRAMS		
	ALERTALARM RANGE		APPROVED	DATE	ALTERNATIVE MATERIAL				SCALE	SHEET	
		R.S.RAIT	25/06/2021				NTS	1 of 2	D218-06-202		

OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE:
NON FOURNIE. VALEURS MINIMALES RECOMMANDÉES:
14V MAX = 120Ω MIN, 2W MIN OU 1KΩ MIN, 0.5W MIN
28V MAX = 470Ω MIN, 2W MIN OU 2.4KΩ MIN, 0.5W MIN

CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation indépendante de la sirène et du feu (retirer le câblage entre le feu et la sirène)

Configuration pour 1 son Surveillance de ligne Son 1 : alimenter Alim+ et Alim- (son 1)	Config.: 5a	Configuration pour 2 sons Alim+ commune Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2	Config.: 5b	Configuration pour 3 et 4 sons Alim+ commune Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 Son 3 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S3 Son 4 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 et S3	Config.: 5c

--- CÂBLAGE ENTRE LE FEU & LA SIRÈNE
FAIT EN USINE

CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation simultanée de la sirène et du feu (par défaut)

Configuration pour 1 son Config.: 1a Configuration pour 3 et 4 sons Config.: 1b

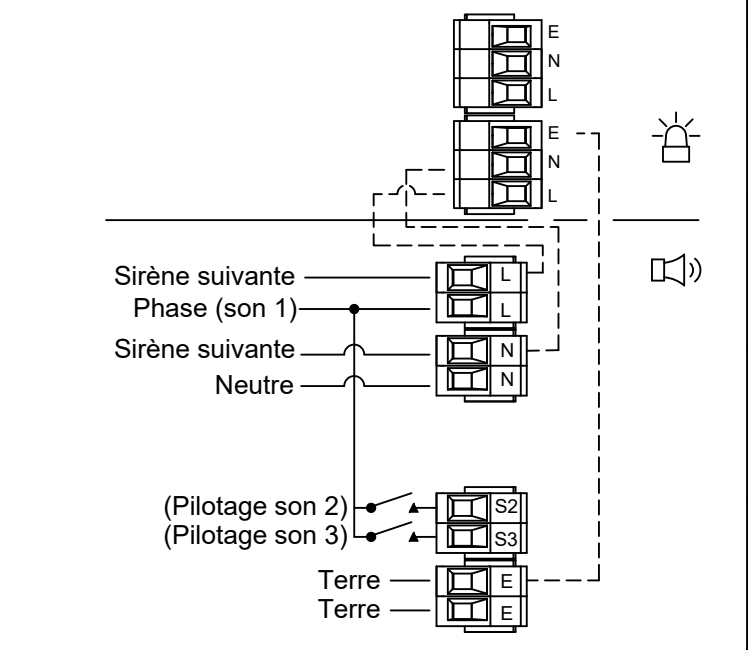
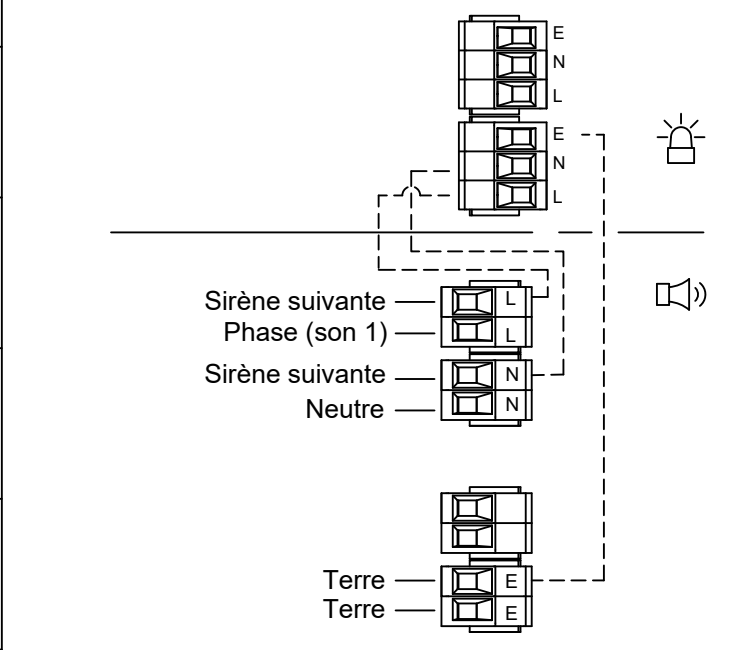
Son 1 : alimenter Phase (son 1) et Neutre

Son 1 : alimenter Phase (son 1) et Neutre

Son 2 : alimenter Phase (son 1) et Neutre et connecter S2 à Phase (son 1)

Son 3 : alimenter Phase (son 1) et Neutre et connecter S3 à Phase (son 1)

Son 4 : alimenter Phase (son 1) et Neutre et connecter S2 et S3 à Phase (son 1)



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	R.S.RAIT	DATE	25/06/2021
	CHECKED	B.ISARD	DATE	25/06/2021
	APPROVED	R.N.POTTS	DATE	25/06/2021
STANDARDS	ALERTALARM RANGE			

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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e2s warning signals

EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		A3
TITLE AL100X, AL105NX & DL105X COMBINED SOUNDER & XENON WIRING DIAGRAMS		
SCALE	SHEET	DRAWING NUMBER
NTS	1 OF 2	D218-06-206

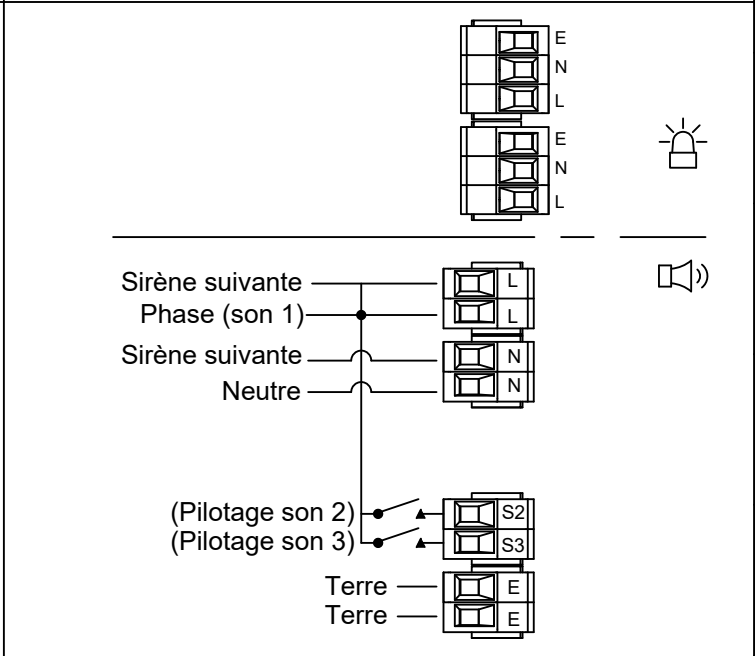
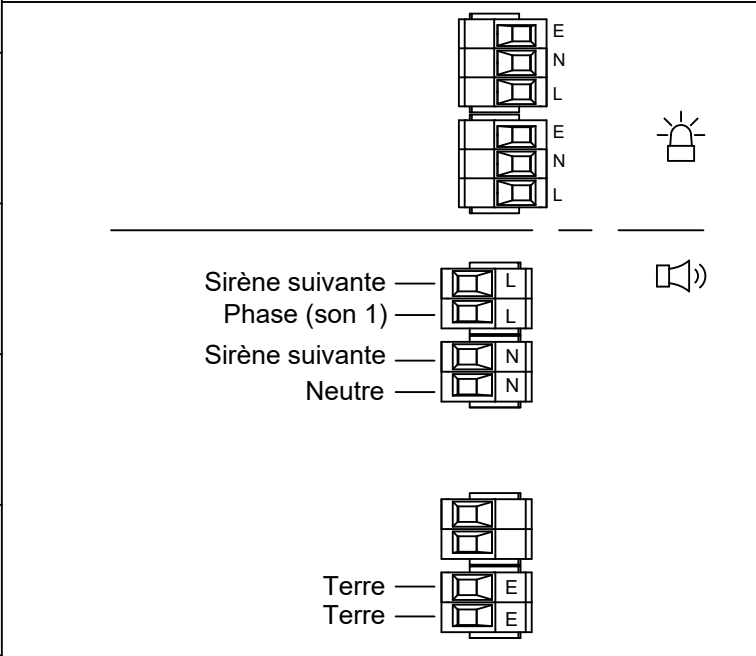
ISSUE	MOD No	REASON - INITIAL - DATE
A		INTRODUCTION RSR - 25/06/2021

CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation indépendante de la sirène et du feu (retirer le câblage entre le feu et la sirène)

Configuration pour 1 son
Son 1 : alimenter Phase (son 1) et Neutre

Config.: 2a Configuration pour 3 et 4 sons
Config.: 2b
Son 1 : alimenter Phase (son 1) et Neutre
Son 2 : alimenter Phase (son 1) et Neutre et connecter S2 à Phase (son 1)
Son 3 : alimenter Phase (son 1) et Neutre et connecter S3 à Phase (son 1)
Son 4 : alimenter Phase (son 1) et Neutre et connecter S2 et S3 à Phase (son 1)



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	R.S.RAIT	DATE	25/06/2021
	CHECKED	B.ISARD	DATE	25/06/2021
	APPROVED	R.N.POTTS	DATE	25/06/2021
STANDARDS	ALERTALARM RANGE			

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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IMPRESS HOUSE
MANSELL ROAD
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE			A3
TITLE AL100X, AL105NX & DL105X COMBINED SOUNDER & XENON WIRING DIAGRAMS			
SCALE	SHEET	DRAWING NUMBER	
NTS	2 of 2	D218-06-206	

Stage 1 Set DIP SW 1 Tone No.	Tone Description	Tone Visual	Stage 1 & 2 DIP SW 1/2 Settings 1 2 3 4 5 6	Stage 3 Set DIP SW 1 (S3)	Stage 4 Set DIP SW 1 (S2 + S3)
1	1000Hz PFEER Toxic Gas		0 0 0 0 0 0	2	44
2	1200/500Hz @ 1Hz DIN /PFEER P.T.A.P.		1 0 0 0 0 0	3	44
3	1000Hz @ 0.5Hz(1s on, 1s off) PFEER Gen. Alarm		0 1 0 0 0 0	2	44
4	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s NF C 48-265		1 1 0 0 0 0	24	1
5	544Hz(100mS)/440Hz (400mS) NF S 32-001		0 0 1 0 0 0	19	1
6	1500/500Hz - (0.5s on, 0.5s off) x3 + 1s gap AS4428		1 0 1 0 0 0	44	1
7	500-1500Hz Sweeping 2 sec on 1 sec off AS4428		0 1 1 0 0 0	44	1
8	500/1200Hz @ 0.26Hz (3.3son, 0.5s off) Netherlands - NEN 2575		1 1 1 0 0 0	24	35
9	1000Hz (1s on, 1s off)x7 + (7s on, 1s off) IMO Code 1a		0 0 0 1 0 0	34	1
10	1000Hz (1s on, 1s off)x7 + (7s on, 1s off) IMO Code 1a		1 0 0 1 0 0	34	1
11	420Hz(0.5s on, 0.5s off)x3 + 1s gap ISO 8201 Temporal Pattern		0 1 0 1 0 0	1	8
12	1000Hz(0.5s on, 0.5s off)x3 + 1s gap ISO 8201 Temporal Pattern		1 1 0 1 0 0	1	8
13	422/775Hz - (0.85 on, 0.5 off) x3 + 1s gap NFPA - Temporal Coded		0 0 1 1 0 0	1	8
14	1000/2000Hz @ 1Hz Singapore		1 0 1 1 0 0	3	35
15	300Hz Continuous (f=300)		0 1 1 1 0 0	24	1
16	440Hz Continuous (f=440)		1 1 1 1 0 0	24	1
17	470Hz Continuous (f=470)		0 0 0 0 1 0	24	8
18	500Hz Continuous IMO code 2 (Low) (f=500)		1 0 0 0 1 0	24	8
19	554Hz Continuous (f=554)		0 1 0 0 1 0	24	8
20	660Hz Continuous (f=660)		1 1 0 0 1 0	24	35
21	800Hz IMO code 2 (High) (f=800)		0 1 0 1 0 0	24	35
22	1200Hz Continuous (f=1200)		1 0 1 0 1 0	24	35
23	2000Hz Continuous (f=2000)		0 1 1 0 1 0	3	35
24	2400Hz Continuous (f=2400)		1 1 1 0 1 0	20	35
25	440Hz @0.83Hz (50 cycles/minute) Intermittent (f=440, a=0.6, b=0.6)		0 0 0 1 1 0	44	8
26	470Hz @0.9Hz - 1.1s Intermittent (f=470, a=0.55, b=0.55)		1 0 0 1 1 0	44	8
27	470Hz @5Hz - (5 cycles/second) Intermittent (f=470, a=0.1, b=0.1)		0 1 0 1 1 0	44	8
28	544Hz @ 1.14Hz - 0.875s Intermittent (f=470, a=0.43, b=0.44)		1 1 0 1 1 0	24	8
29	655Hz @ 0.875Hz Intermittent (f=655, a=0.57, b=0.57)		0 0 1 1 1 0	24	8
30	660Hz @0.28Hz - 1.8sec on, 1.8sec off Intermittent (f=660, a=1.8, b=1.8)		1 0 1 1 1 0	24	8
31	660Hz @3.34Hz - 150mS on, 150mS off Intermittent (f=660, a=0.15, b=0.15)		0 1 1 1 1 0	24	8
32	745Hz @ 1Hz Intermittent (f=745, a=0.5, b=0.5)		1 1 1 1 1 0	24	8
33	800Hz - 0.25sec on, 1 sec off Intermittent (f=800, a=0.25, b=1)		0 0 0 0 0 1	24	8
34	800Hz @ 2Hz IMO code 3.a (High) Intermittent (f=800, a=0.25, b=0.25)		1 0 0 0 0 1	24	19
35	1000Hz @ 1Hz Intermittent (f=1000, a=0.5, b=0.5)		0 1 0 0 0 1	24	19
36	2400Hz @ 1Hz Intermittent (f=2400, a=0.5, b=0.5)		1 1 0 0 0 1	24	19
37	2900Hz @ 5Hz Intermittent (f=2900, a=0.1, b=0.1)		0 0 1 0 0 1	24	19
38	363/518Hz @ 1Hz Alternating (f=363, f1=518, a=0.1)		1 0 1 0 0 1	8	19
39	450/500Hz @ 2Hz Alternating (f=450, f1=500, a=0.25)		0 1 1 0 0 1	8	19
40	554/440Hz @ 1Hz Alternating (f=440, f1=554, a=0.5)		1 1 1 0 0 1	24	19
41	554/440Hz @ 0.625Hz Alternating (f=440, f1=554, a=0.8)		0 0 0 1 0 1	8	19
42	561/760Hz @0.83Hz (50 cycles/minute) Alternating (f=561, f1=760, a=0.6)		1 0 0 1 0 1	8	19
43	780/600Hz @ 0.96Hz Alternating (f=600, f1=780, a=0.52)		0 1 0 1 0 1	8	19
44	800/1000Hz @ 2Hz Alternating (f=800, f1=1000, a=0.25)		1 1 0 1 0 1	24	19
45	970/800Hz @ 2Hz Alternating (f=800, f1=970, a=0.25)		0 0 1 1 0 1	8	19
46	800/1000Hz @ 0.875Hz Alternating (f=800, f1=1000, a=0.57)		1 0 1 1 0 1	24	19
47	2400/2900Hz @ 2Hz Alternating (f=2400, f1=2900, a=0.25)		0 1 1 1 0 1	24	19
48	500/1200Hz @ 0.3Hz Sweeping (f=500, f1=1200, a=3.34)		1 1 1 1 0 1	24	12
49	560/1055Hz @ 0.18Hz Sweeping (f=560, f1=1055, a=5.47)		0 0 0 0 1 1	24	12
50	560/1055Hz @ 3.3Hz Sweeping (f=560, f1=1055, a=0.3)		1 0 0 0 1 1	24	12
51	600/1250Hz @ 0.125Hz Sweeping (f=600, f1=1250, a=8)		0 1 0 0 1 1	24	12
52	660/1200Hz @ 1Hz Sweeping (f=660, f1=1200, a=1)		1 1 0 0 1 1	24	12
53	800/1000Hz @ 1Hz Sweeping (f=800, f1=1000, a=1)		0 1 0 0 1 1	24	12
54	800/1000Hz @ 7Hz Sweeping (f=800, f1=1000, a=0.14)		1 0 1 0 1 1	24	12
55	800/1000Hz @ 50Hz Sweeping (f=800, f1=1000, a=0.02)		0 1 0 1 0 1	24	12
56	2400/2900Hz @ 7Hz Sweeping (f=2400, f1=2900, a=0.14)		1 1 1 0 1 1	24	12
57	2400/2900Hz @ 1Hz Sweeping (f=2400, f1=2900, a=1)		0 0 0 1 1 1	24	12
58	2400/2900Hz @ 50Hz Sweeping (f=2400, f1=2900, a=0.02)		1 0 0 1 1 1	24	12
59	2500/3000Hz @ 2Hz Sweeping (f=2500, f1=3000, a=0.5)		0 1 0 1 1 1	24	12
60	2500/3000Hz @ 7.7Hz Sweeping (f=2500, f1=3000, a=0.13)		1 1 0 1 1 1	24	12
61	800Hz Motor Siren (f=800, a=1.6)		0 0 1 1 1 1	24	12
62	1200Hz Motor Siren (f=1200, a=2)		1 0 1 1 1 1	24	12
63	2400Hz Motor Siren (f=2400, a=1.7)		0 1 1 1 1 1	24	12
64	Simulated Bell		1 1 1 1 1 1	21	12

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